



☐ US Ecology Nevada (Beatty)
Fax (775) 553-2125
☐ US Ecology Idaho (Grand View)
Fax (208) 834-2919

☒ US Ecology Texas (Robstown)
Fax (361) 387-0794

Profile #: 090073516

A. CUSTOMER INFORMATION

*Waste as shipped will be:

☒ Industrial

☐ NON - Industrial

*(Texas customers only)

Generator: NATIONAL OIL RECOVERY CORP.
Facility Address: 1472 FM 2725
(No PO Box) INGLESIDE, TX 78362
Mailing Address: c/o: TRC Solutions
City/State/Zip: 505 E. Huntland Drive, Suite 250, Austin, Tx 78752
Technical Contact: Stephen Halasz
Phone: 512-684-3103 Fax: 512-329-8750

☐ Check if Billing is Same
Billing Company: National Oil Recovery Corporation
Billing Address: 5151 SAN FELIPE, SUITE 1950
City/State/Zip: HOUSTON, TX 77056
Billing Contact: RICHARD F. BERGNER
Phone No.: (713)783-4832 Fax No.: (713)783-4832
Email: rbergner@rflblaw.net

NAICS# ☐ CESQG ☐ SQG ☐ LQG EPA ID# TXD086278058

State ID# 31288

B. SHIPPING INFORMATION

1 US DOT Shipping Name CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.

2 Hazard Class 8

3 UN/NA # UN2920

4 Packaging Group III

5 RQ 1 lb

6 Container Type: ☒ Bulk ☐ Totes ☐ Pallet

Size TONS

7. Frequency:

☐ Year

☐ QTR

☐ Month

☐ Boxes ☐ Bags ☐ Drums ☐ Other

Quantity 700

☐ 1 Time

☒ Other

AS NEEDED

C. GENERAL MATERIAL & REGULATORY INFORMATION

1. Common name for this waste CAUSTIC TANK BOTTOMS

2. Process generating the material CLEANOUT AND REMOVAL OF SOLIDS FROM CRUDE OIL TANK CONTAINING CAUSTIC WASH

3. Describe physical appearance of waste BROWN TO BLACK SLUDGE/LIQUIDS

4. Describe odor of waste: ☐ None ☒ Slight ☐ Strong Describe OILY / HYDROCARBONS

5. Knowledge is from: ☒ Lab Analysis ☐ MSDS ☒ Process/Generator knowledge ☒ Yes ☐ No Is the waste restricted under EPA Land Disposal

☐ Yes ☒ No Is the material <500 PPMW VOC as generated?

Restrictions (40 CFR 268) If yes, please complete LDR form

☒ Yes ☐ No Is the waste, or generating facility, subject to regulation under 40 CFR Part 61 Subpart FF (Benzene Rule) of NESHAPS?

If yes, complete form "attachment 4". (Note: Waste generated from chemical manufacturing, coke-by-product recovery plants, petroleum refineries or treaters of such waste are subject to these requirements.)

☒ Yes ☐ No State waste codes

☐ Wastewater ☒ Non-wastewater ☐ Debris
☐ Yes ☒ No Alternative standards for Soil?

☐ Yes ☒ No CERCLA Regulated (Superfund) Waste

☒ Yes ☐ No Contains UHCs/Constituents of Concern: List in section D

☒ Yes ☐ No EPA Haz. Waste (list codes)

K169

D002

☐ Yes ☒ No Has the waste been treated after the initial point of generation?

☐ Yes ☒ No Subpart XX (40 CFR 63.1080) Controls Required?

☐ Yes ☒ No Exempt Waste: If yes, list ref. 40 CFR

Source Code G

G14

Form Code W

W603

Mgt. Method H

H050

D. MATERIAL COMPOSITION (Physical/Chemical)

(Range Total > or = 100%) Values are ☐ TCLP ☒ TOTALS

(include additional sheets as necessary)	typical value	unit	range
CRUDE OIL TANK BOTTOMS	20	%	90-100
WATER	70	%	30-70
BARIUM	110	MG/KG	0-200
CHROMIUM	11	MG/KG	0-20
LEAD	39	MG/KG	0-50
SODIUM HYDROXIDE	10	%	0-20
BENZENE	10	MG/KG	0-100
ETHYLBENZENE	13	MG/KG	0-50
XYLENES	21	MG/KG	0-100
TOLUENE	8.7	MG/KG	0-50
BENZO(A)ANTHRACENE	56	MG/KG	0-100
BENZO(G,H,I)PERYLENE	15	MG/KG	0-30

E. Does the waste exhibit or contain the following:

☐ Yes ☒ No Oxidizer

☒ Yes ☐ No React. Sulfides 32 ppm

☐ Yes ☒ No Explosive

☐ Yes ☒ No React. Cyanides ppm

☐ Yes ☒ No Organic Peroxide

☐ Yes ☒ No Water/Air (Pyrophoric) React.

☐ Yes ☒ No Shock Sensitive

☐ Yes ☒ No Thermally Unstable

☐ Yes ☒ No Tires

☐ Yes ☒ No TSCA Regulated PCB Waste

☐ Yes ☒ No Pyrophoric

☐ Yes ☒ No Regulated Medical/Infectious Waste

☐ Yes ☒ No Radioactive**

☐ Yes ☒ No Compressed Gases

☐ Yes ☒ No Exempt RAD**

**Additional Radiological info is provided in USEI's WAC Addendum

☐ Yes ☒ No Halogenated Organic Compounds? (per 40 CFR 268, Appendix III)

F. PHYSICAL CHARACTERISTICS

pH Range 12 to 14

1. Flash Point: >140

°F (if <140°F)

2. Typical pH:

pH Range: ☐ ≤ 2

☒ Yes ☐ No Possibility of incidental liquids from transportation?

☐ >2, <12.50

☒ Yes ☐ No Does waste pass the EPA specified paint filter test?

☒ ≥ 12.5

(Pass is a solid)

G. GENERATOR'S CERTIFICATION:

☐ Yes ☒ No I certify this material may be disposed of without further treatment.

Certification Statement: I certify under penalty of law that I am familiar with this waste stream through analysis and/or process knowledge, and that all information provided is true, accurate, representative and complete, and that all known or suspected hazards have been disclosed.

Furthermore, I certify that this form was completed in accordance with the instructions provided.

Print Name: Casey Wills

Alonzo G. Arredondo

Signature:

Alonzo G. Arredondo, Agent for NORCO

Title: Senior Geologist

Date: September 26, 2011

Facility use only

First review

Second review

Final review:

Date approved:

Date Denied:

SECTION D:
MATERIAL COMPOSITION (CONTINUED)

Generator NATIONAL OIL RECOVERY CORP.

WasteDescription CAUSTIC TANK BOTTOMS

Constituent	Typical Value	Unit	Range
ACETONE	8.9	MG/KG	0-20
METHYL TERT-BUTYL ETHER	2.8	MG/KG	0-10
STYRENE	11	MG/KG	0-20
1,3,5-TRIMETHYLBENZENE	3.2	MG/KG	0-10
1,2,4-TRIMETHYLBENZENE	10	MG/KG	0-20
METHYL ETHYL KETONE	1.8	MG/KG	0-5
PHENOL	51	MG/KG	0-100
2-METHYLPHENOL	11	MG/KG	0-20
NAPHTHALENE	72	MG/KG	0-100
2-METHYLNAPHTHALENE	50	MG/KG	0-100
ACENAPHTHALENE	9.7	MG/KG	0-20
FLUORENE	66	MG/KG	0-100
PHENANTHRENE	150	MG/KG	0-300
ANTHRACENE	23	MG/KG	0-50
FLUORANTHENE	26	MG/KG	0-50
PYRENE	94	MG/KG	0-150
CHRYSENE	100	MG/KG	0-200
BIS(2-ETHYLHEXYL) PHTHALATE	8.9	MG/KG	0-20
BENZO(B)FLUORANTHENE	20	MG/KG	0-50
BENZO(A)PYRENE	32	MG/KG	0-50
INDENO(1,2,3-CD)PYRENE	5.3	MG/KG	0-20
TOTAL PETROLEUM HYDROCARBONS		%	1-20

Signature

Alonzo B. Quesada, Agent for NORCO

Printed Name:

Alonzo B. Quesada

Title:

Senior Geologist

Date:

Sept. 26, 2011

THERMAL SUPPLEMENT FORM



USEcologyTexas

US Ecology Texas

Phone (361) 387-3518

Fax (361) 387-0794

Waste Name: Caustic Tank Bottoms

Generator: National Oil Recovery Corp.

Physical Composition of Waste

WASTE PROPERTIES (wet weight basis)			PRIMARY WASTE COMPONENTS	TYPICAL %
PHYSICAL STATE:			Water	70
<input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Single Phased <input type="checkbox"/> Multi Phased			Solids	20
Btu/Lb % of ASH			Organics / TPH	10
OTHER WASTE CONSTITUENTS (ppm)				
Chlorine	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Non-Friable Debris Material > 2-inch size _____ % (vol)	
Fluorine	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If Catalyst, is material self heating as shipped? _____	
Bromine	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Bitumen / Asphalt / Tar > 1% (wt.) _____ % (wt.)	
Sulfides (Total)	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Has the material been centrifuged? _____	
Sulfur		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Fuel Oxygenates <input checked="" type="checkbox"/> MTBE <input type="checkbox"/> Ethanol <input type="checkbox"/> Other <u>2.8</u> ppm (wt.)	
Chlorinated aliphatic hydrocarbons	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Does the waste contain surfactant? _____	

1. Is this oil bearing waste from Petroleum Refining, Production or Transportation practices?

Reference: 40 CFR 261.6 (a) (3) (iv) C, TCEQ 335.24, 40 CFR 112.2

☒ Yes ☐ No

Based on analytical data or generator knowledge, I certify that this information is correct to the best of my knowledge.

Name: Casey Wills
(please print)

Alonzo G. Arredondo

Signature:

Alonzo G. Arredondo

Date:

Agent for NORCO
September 26, 2011



USEcologyTexas

ATTACHMENT 4

BENZENE WASTE OPERATIONS 40 CFR SUBPART FF (§§61.340 to 61.358)

GENERATOR NAME: National Oil Recovery Corp. EPA ID #: TXD086278058

WASTE NAME: Caustic Tank Bottoms

1. Facility Producing Waste: ☒ Petroleum Refinery (SIC 2911)
☐ Chemical Mfg. (SIC 2800 thru 2899)
☐ Coke By-Product Recovery Plant (SIC 3312)
☐ TSDF handling benzene-containing hazardous waste from one of the above facilities
☐ None of the above - no need to continue
2. Is the waste a RCRA hazardous waste per 40 CFR 261? ☒ Yes ☐ No
(If yes, complete questions 3-6 ¹)
3. What is the facility's Total Annual Benzene quantity from facility waste?
☒ <1 Megagram (<2,204 lbs.) ☐ >1 Mg <10 ☐ >10 Mg
4. The flow-weighted annual average benzene content of this waste is: 6 ppmw ²
The estimated range is: 0 to 100 ppmw.

Or: Waste is remediation material or process unit turnaround waste and per generator knowledge or test data benzene concentration is: ppm. ³
The estimated range is: to ppm.
5. What is the water content percentage of the waste by weight? 70 %
6. Is the waste subject to the requirements for benzene waste operations under 40CFR, Subpart FF? ☒ Yes ☐ No
(Controls required at off site disposal facility)
7. Optional questions / comments: _____
Facility is operating under a waiver of compliance under 40CFR §61.10? _____
Is the waste remediation exempt? _____
Other situation or comments: _____

Has the waste been treated prior to shipment?

☒ No treatment ☐ Yes, >99% removal of benzene ☐ Yes, <10 ppmw benzene

I certify that the information concerning the waste offered for disposal is true and correct.

Signature: Alonzo G. Arredondo, Agent for NORCO Generator Name: National Oil Recovery Corp.

Printed Name: Alonzo G. Arredondo Date: September 26, 2011

1. Only hazardous waste is subject. 40 CFR §61.340 (b)
2. 40 CFR §61.355(c)(2) or §61.355(c)(3)
3. 40 CFR §61.355(c)(3)

US Ecology Land Disposal Restriction Form

GENERATOR: National Oil Recovery Corp. EPA I.D. NUMBER: TXD086278058
WASTE STREAM or PROFILE NUMBER: 09-007- MANIFEST DOC. NO. _____ LINE NO. _____
WASTE IS A: ☐ WASTEWATER ☒ NON-WASTEWATER ☐ DEBRIS
NOTIFICATION FREQUENCY: ☐ ONE TIME ☒ REQUIRED WITH EACH SHIPMENT
EPA WASTE CODES (from 40 CFR 268.40): K169 D002 _____

UNDERLYING HAZARDOUS CONSTITUENTS (from 40 CFR 268.48): phenol, acenaphthalene, anthracene, fluoranthene, benzo(b)fluoranthene, benzo(a)pyrene

A. ☐ Restricted Waste Meets Treatment Standards (40 CFR 268.7(a) (3))

The restricted waste identified above meets the treatment standards in 40 CFR 268.40 or Alternative LDR treatment standards for contaminated soil 40CFR268.49 and can be landfill disposed without further treatment. I have attached all supporting analytical data, where available.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

B. ☐ Restricted Waste Treated To Treatment Standards (40 CFR 268.7(b) (1) & 268.7 (b) (2))

The treatment residue, or extract of such residue, or the restricted waste identified above has been tested to assure that the treatment residues or extract meet all applicable treatment standards in 40 CFR 268.40 and/or performance standards in 40 CFR 268.45. I have attached all supporting analytical data, where available.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

C. ☐ Restricted Waste With Technology Based Treatment Standards (40 CFR 268.7(b) (4))

I certify under penalty of law that I personally have examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40, without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

D. ☐ Restricted Waste Decharacterized But Requires Treatment For UHC (40 CFR 268.9)

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains Underlying Hazardous Constituents (UHC) that require further treatment to meet the universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

E. ☒ Restricted Waste Subject To Treatment (40 CFR 268.7(a) (2))

The restricted waste identified above must be treated to the applicable treatment standards in 40 CFR 268.40, or treated to comply with applicable prohibitions set forth in Part 268.32 or RCRA Section 3004(d). I have attached all supporting analytical data, where available.

F. ☐ Hazardous Debris Subject To Treatment (40 CFR 268.45)

This hazardous debris identified above must be treated to the alternative treatment standards in 40 CFR 268.45.

G. ☐ Restricted Waste Subject To A Variance or Extension (40 CFR 268.7(a) (4))

This restricted waste identified above is subject to a case by case exemption under 40 CFR 268.5, an exemption under 40 CFR 268.6 or a nationwide capacity variance under Subpart C of 40 CFR 268, and is not prohibited from land disposal. LDR prohibitions become effective on _____ (date) for this restricted waste. The corresponding treatment standard(s) are promulgated in 40 CFR 268.40. I have attached all supporting analytical data, where available.

H. ☐ Restricted Waste Managed In A "Lab Pack" (40 CFR 268.7(a) (9))

I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only waste that have been excluded under appendix IV to 40 CFR Part 268 and that this lab pack may be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Authorized Signature

Wong K. Puelonco, Agent for NORCO
Title Senior Geologist

Date Sept 26, 2011

UHC list from 40 CFR Part 268.48 available upon request